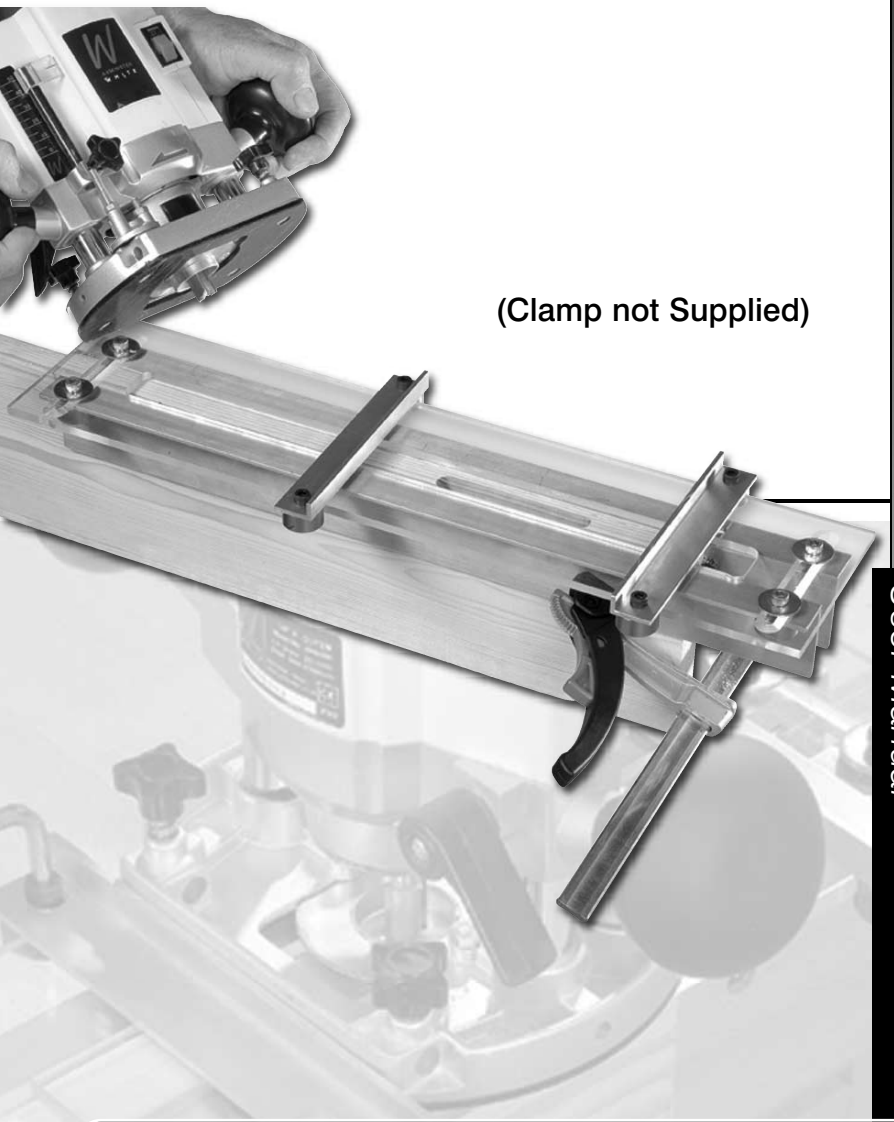
AXMINSTER TOOL CENTRE

Slot Cutting Jig



(Clamp not Supplied)

100792

User Manual

www.axminster.co.uk

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Copyright...

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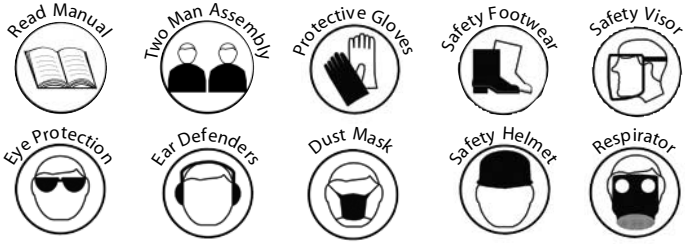
SAFETY!!

The symbols shown on the cover of this manual advise that you wear the correct safety protection when using this machine.



Safety Protection Symbols

Introduction...

Axminster Slot Cutting Jig

Initially intended for cutting repetitive mortises in furniture legs etc, the slot template can also be used to guide the router for many other applications. Easy to set up, it can be used with any router fitted with a 30mm guide bush. Consisting of a Perspex slot template fitted with aluminium clamping rails, the slot template is also supplied with an aluminium cross fence for use when cutting cross housings etc, when constructing bookcases and other similar projects. The width of the mortise, and hence the tenon thickness, is determined by the diameter of the selected cutter.

What's in the Box...

Model Number:	**100792**
1 No.	Clear Plastic Slot Cutting Jig.
2 No.	Aluminium Clamping Rails
2 No.	Aluminium Length Stops
8 No.	Clamping Bushes
1 No.	Aluminium Cross Fence
8 No.	M6 Hex Clamping Screws
4 No.	M6 Washers
1 No.	M6 Hex End Stop Screw and Nut
1 No.	30mm Centre Finder/Spacer
1 No.	Instruction Manual

(Note: clamp is not supplied with the kit)

General Instructions for Working Practise/Safety...

• Carefully read and follow the router manufacturer's instruction book to ensure that you are competent in handling and using the router.

• Follow all safety procedures and regulations in respect of the use of electric power tools.

• Always wear suitable eye and ear protection as well as protection against dust inhalation when using the router.

Initial Assembly Instructions...

Attach the two clamping rails to the template using the M6 hex bolts, washers and bushes. Fit the end stop screw and nut through the appropriate hole in the side of one of the clamping rails. Alternatively fit the cross fence using a pair of M6 hex nuts, washers and bushes.

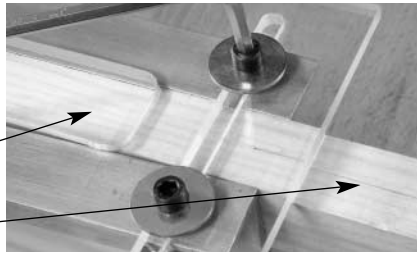
WARNING DO NOT OVER-TIGHTEN, AS THIS WILL DAMAGE THE SLOT CUTTING JIG

Cutting Mortises...

1. Align the engraved centre lines at either end of the 30mm slot against a centre line drawn on the work piece or on a piece of scrap material of the same width. A spacer/centre-finder is supplied with the template for use when cutting mortises in material narrower than the template slot itself (i.e. 30mm, located under one of the end stops). Close the two bottom angles against either face of the work piece and tighten the hex headed clamping screws.

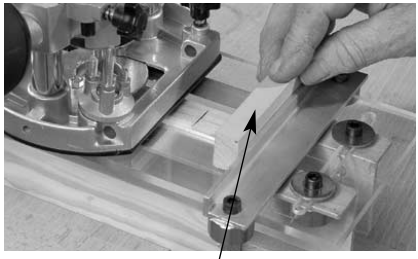
WARNING DO NOT OVER-TIGHTEN, AS THIS WILL DAMAGE THE SLOT CUTTING JIG

The clamping angles can be fitted with either leg against the underside of the template, depending on the height/width of the work piece.

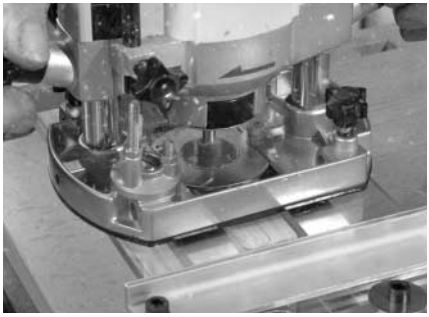


2. The length of the mortise is set by adjusting the position of the two end stops. When cutting haunched mortise and tenon joints, a spacer of the same width as the haunch can be positioned in front of the end stop, to shorten the router travel, once the mortise has been cut to the haunch depth.

End stop

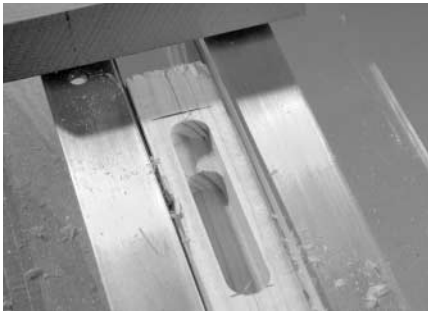

Spacer

3. The full depth of the mortise should be set using the router's plunge stop, first positioning the router on the template with the cutter bottomed on to the work piece. As with all routing operations, the full depth must be reached in a series of shallow passes.



Positioning the router on the template with the cutter bottomed on to the work piece.

Cutting the mortise in a series of shallow passes.

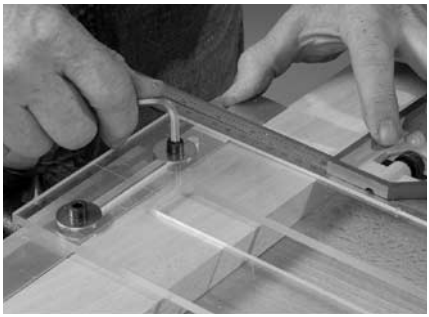


The finished mortise.

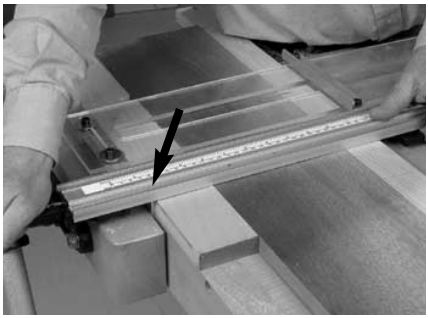
Cross Housings...

Stopped or through cross housings can be cut by fitting the cross fence in place of the two clamping rails. Various arrangements can be used for clamping and positioning the template, however for ease of use and accuracy we suggest the following.

1. Clamp the work piece beneath the template with the cross fence held in a bench vice. Position parallel waste battens along either edge of the work piece(s), lining the centre line of the housing with the centre lines on the template slot. Secure with a long clamp (such as the pro-grip guide clamp order number 010018). Position the clamp to hold all the pieces together with a further g-cramp or quick release clamp to hold the assembly flat to the bench.

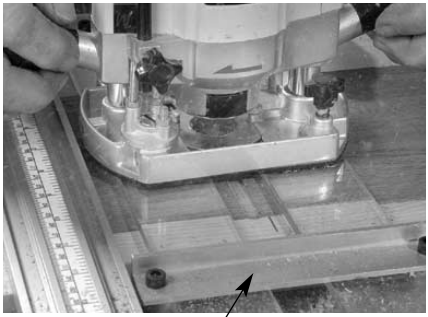


Check that the clamp base is square to the template.



Secure the workpieces and waste with a Prog-Grip clamp.

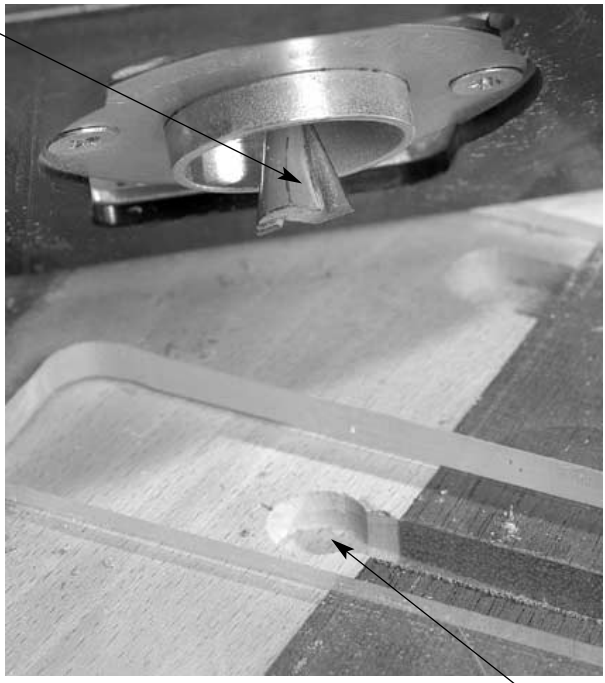
Secure assembly to the workbench with a G-clamp.



End stop

2. For further security, one of the end stops can be fitted across the template and clamped tight against the rear waste batten. For stopped housings a spacer block can be fitted in front of the end stop to reduce the router travel.

3. In order to reduce the stress on a dovetail cutter when cutting dovetail housings, it is common practise to first cut the housing in a series of shallow passes with a straight cutter, before making a single pass at the full depth with the dovetail cutter. Prior to starting the dovetail cut, a hole can be bored in to the waste batten, on the centre line of the housing.



Slot Cutting Jig

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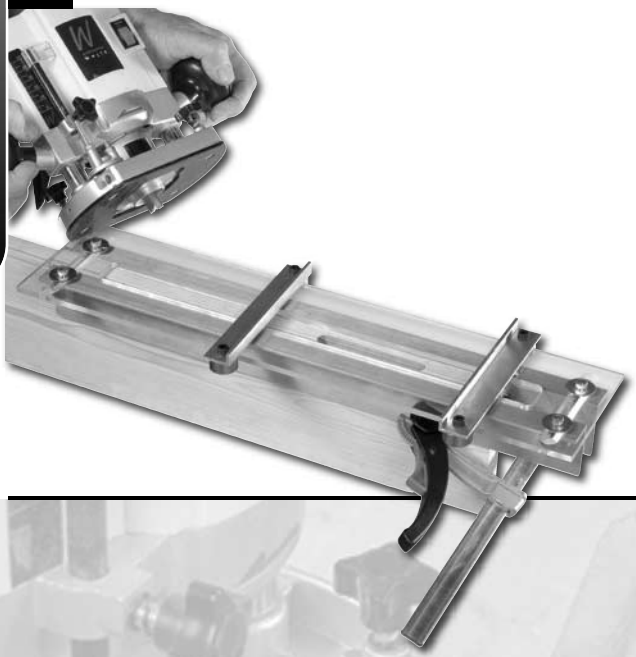

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